



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



November 18, 2002
Letter of Deficiency
DAM #258.01

Mr. Marty Bilafer
Town of Wolfeboro
P.O. Box 629
Wolfeboro, NH 03894

RE: Crescent Lake Dam, Wolfeboro

Dear Mr. Bilafer:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on July 16, 2002. During this visual inspection and/or file review, the following items were observed:

- There is efflorescence present along the horizontal construction joint/crack on the left side of the gatehouse foundation;
2. There is brush on the concrete spillway crest to the left of the gatehouse and within the discharge channel;
 3. There are trees located on both the upstream and downstream sides of the concrete wall at the left abutment;
 4. There is soil erosion to the left of the concrete wall at the left abutment lowering the freeboard by several inches; and
 5. Test and update the emergency action plan (EAP).

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

January 1, 2003:

1. Test and update the EAP;

July 1, 2003:

Remove the brush on the concrete spillway crest and from the discharge channel to a minimum of 10 feet from the upstream face;

Remove the trees located at the left abutment on both the upstream and downstream sides of the concrete wall for a distance of 10 feet from the wall; and

3. Repair the soil erosion located at the left abutment where the concrete wall meets the natural ground. The soil should be brought up at least to the same height as the concrete wall.

As a result of this July 2002 inspection and subsequent file review, DES has determined that you are in full compliance with the September 4, 1998 LOD. Please refer to the enclosed copy for your reference. While reviewing our files we were not able to locate a formal full compliance letter.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

COPY
[Handwritten signature]

Jeffrey M. Blaney
Dam Safety Engineer

Attachments DB8, DB13, Copy of 1998 LOD
cc: Gretchen Rule✓
Certified # 7000 1670 0000 0586 1056
JMB/was/h:/safety/wendy/lcd/258-01lod.doc



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
64 No. Main Street, P.O. Box 2008, Concord, NH 03302-2008
(603) 271-3406 FAX (603) 271-7894



September 4, 1998
Letter of Deficiency
DAM # 258.01

Mr. Marty Bilafer
Town of Wolfeboro
P.O. Box 629
Wolfeboro, NH 03894

RE: Crescent Lake Dam, Wolfeboro

Dear Mr. Bilafer:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. The DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on August 11, 1998. During this visual inspection and/or file review, the following deficiencies were observed:

The Emergency Action Plan (EAP) was approved in December, 1993. There is no documentation within the DES files indicating that it was reviewed annually and updated as necessary, nor that the emergency communication network was tested;

Brush growth through the granite block along the entire length of the spillway;

- 3 Severe leakage from two areas at the gate. This is due to badly deteriorated wooden gate planks;
- 4 Leakage through the vertical timber planking;
- 5 Deteriorated horizontal structural timber members along the base of the timber section; and
- 6 There is no operation and maintenance plan on file with the DES

The DES believes that the above deficiencies can be corrected by performing the following items by October 15, 1998:

Provide written documentation that testing of the emergency communication network, as contained in the EAP, is being performed and is reviewed for adequacy.
Make revisions as necessary to update this document;

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Dam#258.01
September 4, 1998
pg. 2

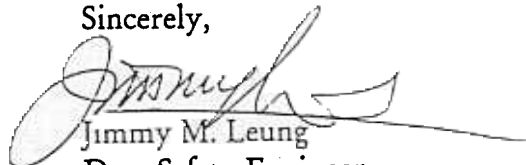
2. Remove all brush growth at the area along the downstream face of the spillway from within 10 feet;
3. Provide DES with a schedule to repair or reconstruct the timber section of the dam. This repair or reconstruction should be scheduled for completion by December 1, 1999. This work may require a dam reconstruction permit; and
4. Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel.

The DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we must consider issuing an Administrative Order requiring the deficiencies to be corrected for the purposes of public safety.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,


Jimmy M. Leung
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule

Certified # 2786 913 555
JML/was/h:/wendy/lod/258-01.lod